

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	159	(375/229-236.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:39
L2	15	(375/330.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:39
L3	0	(375/318.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:39
L4	120	((sampl\$4 with (clock adj1 signal)) and ((select\$4 or choos\$4) with sampl\$4) and (stor\$4 with sampl\$4 with (clock adj2 signal))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:41
L5	28	((sampl\$4 with (clock adj1 signal)) and ((select\$4 or choos\$4) with sampl\$4) and (stor\$4 with sampl\$4 with (clock adj2 signal)) and (first adj1 clock) and (second adj1 clock)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:42
L6	7	((sampl\$4 with threshold) and ((most adj1 significant adj1 bit) with sampl\$4) and ((least adj1 significant adj1 bit) with (state or value) with sampl\$4)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:45
L7	14	((sampl\$4 with threshold) and ((select\$4 or choos\$4) near2 mode) and bits).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:47
L8	2	((sampl\$4 with threshold) and ((select\$4 or choos\$4) near2 mode) and binary and multi-level).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/03/03 11:49
S1	65	("20010043649" "20020150184" "20030002602" "20030016091" "20030063664" "20030070126" "20030084385" "20030093713" "20030108096" "20030159094" "3775688" "3992616" "4615038" "4709376" "4730343" "5191462" "5268930" "5402445" "5455844" "5490169" "5546424" "5659581" "5668830" "5675588" "5742798" "5778217" "5802105" "5875177" "6108801" "6122757" "6574758" "6885691").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 11:47

## EAST Search History

S2	4	(("5757297") or ("6839861")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:05
S3	2438	(Stojanovic.in. or Horowitz.in. or Zerbe.in. or Ho.in. or Wei.in. or Tsang.in. or Garlepp.in.) and (select\$4 same sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 11:51
S4	89	(Stojanovic.in. or Horowitz.in. or Zerbe.in. or Ho.in. or Wei.in. or Tsang.in. or Garlepp.in.) and (select\$4 same sampl\$4 same threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 11:51
S5	52	(Stojanovic.in. or Horowitz.in. or Zerbe.in. or Ho.in. or Wei.in. or Tsang.in. or Garlepp.in.) and (select\$4 same (sampl\$4 with threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 13:46
S6	24	(S1 and sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:07
S7	68	Kasturia.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:09
S8	11	Kasturia.in. and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:14
S9	265	(375/229-236.ccls.) and ((select\$4 or choos\$4) near3 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:14
S10	123	(375/229-236.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:11
S11	0	(375/218.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:15
S12	0	(375/318.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:12

## EAST Search History

S13	15	(375/330.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:15
S14	137	S10 or S13	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:31
S15	2	("5191462").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 19:00
S16	1	(S15 and sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:21
S17	2	("5896391").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 12:47
S18	130	((compar\$4 near3 sampl\$4) near4 threshold) same ((select\$4 or choos\$4) near4 (sampl\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 12:49
S19	1	S17 and differential	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 13:46
S20	1	S15 and differential	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 13:55
S21	11	375/229-236.ccls. and (differential) and ((compar\$4 near3 (signal or data or sampl\$4) near4 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (sampl\$4 or data or signal)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 19:35
S22	1556	(differential) and ((compar\$4 near3 (signal or data or sampl\$4) near4 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (sampl\$4 or data or signal)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 14:00
S23	203	(differential) same ((compar\$4 near3 (signal or data or sampl\$4) near4 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (sampl\$4 or data or signal)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 14:00

## EAST Search History

S24	94	(differential near2 (signal or dat) same ((compar\$4 near3 (signal or data or sampl\$4) near4 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (sampl\$4 or data or signal)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 14:00
S25	106	(differential near2 (signal or data) same ((compar\$4 near3 (signal or data or sampl\$4) near4 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (sampl\$4 or data or signal)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 14:57
S26	14	Haunstein.in. and sampl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 15:09
S27	113	((compar\$4 near3 sampl\$4) near4 threshold) same ((select\$4 or choos\$4) near3 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 15:12
S28	2	375/229-236.ccls. and ((compar\$4 near3 sampl\$4) near4 threshold) same ((select\$4 or choos\$4) near3 sampl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 15:10
S29	57	((compar\$4 near4 differential) near3 (threshold or limit or value or level)) same (common adj1 mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/05 15:38
S30	2	("5191462").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 19:00
S31	0	S30 and voltage	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/05 19:00
S32	42	("4189733" "4291410" "4361891" "4549303" "4587661" "4587662" "4594303" "4608701" "4800390" "5081643" "5101501" "5107273" "5109390" "5119103" "5248982" "5260968" "5422908" "5425059" "6006113" "6252867" "6256340").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/06 13:19
S33	11	Schilling.in. and (delay\$4 same (spread adj1 spectrum)) and (despread\$4) and (control\$4 near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 13:08

## EAST Search History

S34	26	S32 and delay\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/06 14:20
S35	2	("5659572").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/06 13:22
S36	31	375/148.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:41
S37	36	375/148.ccls. and (delay\$4 same combin\$4) and ((despread\$4 or de-spread) same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:32
S38	3	375/136-137.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:42
S39	10	375/144.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:42
S40	17	375/147.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:42
S41	28	S38 or S39 or S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:31
S42	1	455/137.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:31
S43	1	455/137.ccls. and (delay\$4 same combin\$4) and ((despread\$4 or de-spread) same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:43

## EAST Search History

S44	123	(delay\$4 same combin\$4) and ((despread\$4 or de-spread) same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:05
S45	87	S44 not S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:32
S46	75	S45 not S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:33
S47	71	S46 not S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 14:33
S48	4704	(delay\$4 same combin\$4) same ((control\$4 or increas\$4 or decreas\$4 or increment or decrement\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:46
S49	381	S48 and ((spread\$4 adj1 spectrum) or despread\$4 or de-sprea\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:46
S50	381	S49 not "L23"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:14
S51	381	S49 not "L13"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:14
S52	329	S49 not S44	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:14
S53	37	375/148.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((adjust\$4 or chang\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:41
S54	3	375/136-137.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((adjust\$4 or chang\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:42
S55	16	375/147.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((adjust\$4 or chang\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:43

## EAST Search History

S56	3	375/144.ccls. and (delay\$4 same combin\$4) and (despread\$4 same ((adjust\$4 or chang\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:43
S57	0	455/137.ccls. and (delay\$4 same combin\$4) and ((despread\$4 or de-spread) same ((adjust\$4 or chang\$4) near4 delay\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 19:03
S58	48	S53 or S54 or S55 or S56 or S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:58
S59	2865	(delay\$4 same combin\$4) same ((adjust\$4 or chang\$4) near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:46
S60	316	S59 and ((spread\$4 adj1 spectrum) or despread\$4 or de-sprea\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:46
S61	256	S60 not S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 15:47
S62	375	(antenna same delay\$4 same (combin\$4 near4 signals)) and (intermediate adj1 frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 16:20
S63	140	(antenna same delay\$4 same (combin\$4 near4 signals)) and (intermediate adj1 frequency) and ((adjust\$4 or control\$4) near3 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 16:41
S64	75	(delay\$4 same (multipath or multi-path or (different near2 path)) same antenna) same ((control\$4 or adjust) near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 16:48
S65	402	(delay\$4 same (multipath or multi-path or (different near2 path)) same antenna) and ((control\$4 or adjust) near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:07
S66	135	S65 and (intermediate adj1 frequency)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 16:49

## EAST Search History

S67	441	(delay\$4 same (multipath or multi-path or (different near2 path)) same antenna) and ("IF" or (intermediate adj1 frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:12
S68	0	(delay\$4 same (multipath or multi-path or (different near2 path)) same phae same antenna) and ("IF" or (intermediate adj1 frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:12
S69	176	(delay\$4 same (multipath or multi-path or (different near2 path)) same phase same antenna) and ("IF" or (intermediate adj1 frequency))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:22
S70	48	(delay\$4 same (multipath or multi-path or (different near2 path)) same phase same antenna) and (downcovert\$4 or downconversion)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:26
S71	106	(delay\$4 same (multipath or multi-path or (different near2 path)) same phase same antenna) and (downcovert\$4 or downconversion or down-convert\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:28
S72	166	(delay\$4 same (multipath or multi-path or (different near2 path))) and ((downcovert\$4 or downconversion or down-convert\$4) same ("I" and "Q"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:33
S73	167	(delay\$4 same (multipath or multi-path or (different near2 path))) and ((downcovert\$4 or downconversion or down-convert\$4) same (quadrature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:36
S75	388	S74 and ((control\$4 or adjust\$4) near3 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 17:37
S76	7	455/73.ccls. and (delay\$4 same combin\$4) and ((control\$4 or increas\$4 or decreas\$4 or increment\$4 or decrement\$4 or adjust\$4 or chang\$4) near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 19:05

## EAST Search History

S77	21	455/506.ccls. and (delay\$4 same combin\$4) and ((control\$4 or increas\$4 or decreas\$4 or increment\$4 or decrement\$4 or adjust\$4 or chang\$4) near4 delay\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/06 19:04
S78	3764	((averag\$4 or integrat\$4) near3 voltage) with threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 13:01
S79	4092	((averag\$4 or integrat\$4) near3 voltage) with threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 13:00
S80	484	S79 and (sampl\$4 with (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 13:01
S81	533	S79 and (sampl\$4 with (threshold or limit or value or level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 13:03
S82	1946	(((averag\$4 or integrat\$4) near3 voltage) with (threshold or limit or value or level)) same ((generat\$4 or creat\$4) near4 (threshold or limit or value or level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 13:02
S83	1672	S82 and ((sampl\$4 or signal or bit) with (threshold or limit or value or level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 13:03
S84	502	S83 and ((select\$4 or choos\$4) near4 (sampl\$4 or signal or bit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 14:04
S85	17	((compar\$4 near3 (sampl\$4 or bits or data or signal or symbols)) near3 (threshold or limit or value or level)) same ((select\$4 or choos\$4) near3 (significant adj1 bit)) and ((select\$4 or choos\$4) near3 (sample or bits or signal or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:48

## EAST Search History

S86	17	((compar\$4 near3 (sampl\$4 or bits or data or signal or symbols)) near3 (threshold or limit or value or level) same ((select\$4 or choos\$4) near3 (significant adj1 bit))) and ((select\$4 or choos\$4) near3 (sample or bits or signal or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 14:10
S87	81	((compar\$4 with (sampl\$4 or bits or data or signal or symbols)) with (threshold or limit or value or level) same ((select\$4 or choos\$4) near3 (significant adj1 bit))) and ((select\$4 or choos\$4) near3 (sample or bits or signal or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:34
S88	64	S87 not S86	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 15:34
S89	1015	(select\$4 near3 mode near3 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 15:35
S90	59	375/316-352.ccls. and (select\$4 near3 mode near3 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/19 14:51
S91	19	375/316-352.ccls. and ((multi-mode or multimode) adj1 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 15:39
S92	29	(generat\$4 near4 (equaliz\$4 adj1 signal)) with driver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 18:55
S93	29	S92 and equaliz\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 19:15
S94	62	(equaliz\$4 adj1 signal) near3 (interference)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 19:16
S95	48	(equaliz\$4 adj1 signal) near3 (driver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 19:16

## EAST Search History

S96	35	S95 not S92	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 19:34
S97	60	(equaliz\$4 near2 signal) same (prior near2 transmission)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 19:38
S98	0	(equaliz\$4 near2 signal) same (prior near2 (transmission adj1 signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 19:38
S99	29	(equaliz\$4 near2 signal) same (prior near2 (received adj1 signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:12
S100	2	("5448200").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 20:12
S101	0	S100 and (common adj1 node)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 20:13
S102	1	S100 and (common adj1 mode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/09 20:30
S103	11	differential same (common adj1 mode) same (steady adj1 state) same threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:31
S104	674	differential same (common adj1 mode) same threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:31
S105	2	differential same (common adj1 mode) same (center\$4 near3 threshold)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/09 20:32
S106	933	(select\$4 or choos\$4) near3 mode near3 receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 14:42
S107	3	S106 same (multimode adj1 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 14:42

## EAST Search History

S10 8	2	S106 same (multi-mode adj1 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 14:41
S10 9	5	S106 and (multi-mode adj1 receiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 14:41
S11 0	42	(select\$4 adj1 signal) near3 mode near3 receiver	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 14:43
S11 1	14	("3582879" "5191462" "5402378" "5448200" "6262591" "6304071" "6970681").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/19 14:52
S11 2	2	("6097704").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/19 19:44
S11 3	2	("6035183").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/07/20 13:01
S11 4	2	("5191462").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/31 19:26
S11 5	2	("6304071").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/31 19:26
S11 6	73	(compar\$4 with (binary or bit) with threshold) same (phase near4 clock)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/08/31 19:36
S11 7	2	("5191462").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/04 16:46
S11 8	11195	((((compar\$4 near3 (sampl\$4 or bits or data or signal or symbols)) near3 (threshold or limit or value or level)) same (select\$4 or choos\$4))) and ((select\$4 or choos\$4) near3 (sample or bits or signal or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:50

## EAST Search History

S11 9	162	S118 and ((error near3 sampl\$4) same ((threshold or limit or value) near4 error))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:51
S12 0	177	S118 and ((error near3 sampl\$4) same ((threshold or limit or value or level) near4 error))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:09
S12 1	2128	(sampl\$4 with (threshold or level or voltage)) and (error with sampl\$4) and ((adjust\$4 or chang\$4 or increas\$4 or decrease) near4 (threshold or level or voltage) with error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:57
S12 2	259	(sampl\$4 with (threshold)) and (error with sampl\$4) and ((adjust\$4 or chang\$4 or increas\$4 or decrease) near4 (threshold) with error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:58
S12 3	265	(sampl\$4 with (threshold)) and (error with sampl\$4) and ((adjust\$4 or chang\$4 or increas\$4 or decrease\$4) near4 (threshold) with error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:58
S12 4	65	(Stojanovic.in. or Horowitz.in. or Zerbe.in. or Ho.in. or Wei.in. or Tsang.in. or Garlepp.in.) and (select\$4 same (sampl\$4 with threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 16:59
S12 5	161	S120 not S124	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:09
S12 6	618	((sample or decision or bit) near5 (threshold or level or voltage)) same ((select\$4 or choo\$4) near5 (sampl\$4 or decision or bit)) same ((previous\$4 or prior) near3 (sample or decision or bit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:16
S12 7	435	S126 and ((adjust\$4 or adapt\$4 or increas\$4 or decreas\$4 or chang\$4) near3 (threshold or voltage or level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:16
S12 8	102150	((sample or decision or bit) near5 error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:16

## EAST Search History

S12 9	130	S127 and ((sample or decision or bit) near5 error)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:24
S13 0	69	S127 and ((sample or decision or bit) near5 error near5 (threshold or voltage or level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/04 17:24
S13 1	1	"5245611".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 2	1	"5187719".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 3	1	"5151925".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 4	1	"5091920".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 5	1	"5001726".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 6	1	"5001726".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 7	1	"4387465".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:29
S13 8	1	"4096442".PN.	USPAT; USOCR	OR	OFF	2007/01/04 17:53
S13 9	90	(switch\$4 with (binary or bilevel or bi-level)) with (multi-level or multilevel)	USPAT; USOCR	OR	OFF	2007/01/04 17:58
S14 0	90	(switch\$4 with (binary or bilevel or bi-level)) with (multi-level or multilevel)	USPAT; USOCR	OR	ON	2007/01/04 17:55
S14 1	4	((switch\$4 with (binary or bilevel or bi-level)) with (multi-level or multilevel)) same sampl\$4	USPAT; USOCR	OR	ON	2007/01/04 17:56
S14 2	73	(sampl\$4 with (binary or bilevel or bi-level)) with (multi-level or multilevel)	USPAT; USOCR	OR	OFF	2007/01/04 18:10
S14 3	206	((select\$4 or choos\$4) with (binary or bilevel or bi-level)) with (multi-level or multilevel)	USPAT; USOCR	OR	OFF	2007/01/04 18:10
S14 4	5	((select\$4 or choos\$4) with (binary or bilevel or bi-level)) with (multi-level or multilevel) same sampl\$4	USPAT; USOCR	OR	ON	2007/01/04 18:12
S14 5	24	((select\$4 or choos\$4) with (binary or bilevel or bi-level)) with (multi-level or multilevel) with mode	USPAT; USOCR	OR	ON	2007/01/04 18:12

## EAST Search History

S14 6	16	(sampl\$4 near5 threshold) same (binary or bilevel or bi-level) same (multi-level or multilevel)	USPAT; USOCR	OR	ON	2007/01/04 18:19
S14 7	1	"5191462".pn. and clock\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/05 20:44
S14 8	2	"20040203559"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/01/05 20:44
S14 9	4411	(sampl\$4 with (threshold or voltage)) same ((select\$4 or choos\$4) near3 (voltage or threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:47
S15 0	15	(sampl\$4 with (threshold or voltage)) same ((select\$4 or choos\$4) near3 (voltage or threshold)) same (multilevel or multi-level)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:27
S15 1	44	(bit with compar\$4 with (threshold or voltage)) same ((select\$4 or choos\$4) near3 (voltage or threshold)) same (multilevel or multi-level)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:30
S15 2	2	(sampl\$4 with compar\$4 with (threshold or voltage)) same ((select\$4 or choos\$4) near3 (voltage or threshold)) same (multilevel or multi-level)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:30
S15 3	744	(sampl\$4 with compar\$4 with (threshold or voltage)) same ((select\$4 or choos\$4) near3 (voltage or threshold))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:31
S15 4	3276	(sampl\$4 with compar\$4 with (threshold or voltage or reference)) same (generat\$4 near3 (voltage or threshold or reference))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:35
S15 5	2	("5191462").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/25 03:34
S15 6	22	(sampl\$4 with compar\$4 with (threshold or voltage or reference)) same (generat\$4 near3 (voltage or threshold or reference)) same (multilevel or multi-level)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:42

## EAST Search History

S15 7	266	((sampl\$4 with compar\$4 with (threshold or voltage or reference)) same (first adj1 (threshold or voltage) same (second adj1 (threshold or voltage)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:45
S15 8	11	S157 and ((threshold or voltage) with (multilevel or multi-level))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:46
S15 9	138	((sampl\$4 with (threshold or voltage)) same ((select\$4 or choos\$4 or generat\$4) near3 (voltage or threshold))) and ((multilevel or multi-level) with (threshold or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:48
S16 0	149	((sampl\$4 with (threshold or voltage or reference)) same ((select\$4 or choos\$4 or generat\$4) near3 (voltage or threshold))) and ((multilevel or multi-level) with (threshold or voltage or reference))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:53
S16 1	1971	((sampl\$4 or bit) same ((compar\$4 or exceed or above or below) near3(threshold or voltage or reference))) and ((select\$4 or choos\$4 or generat\$4) near3 (first adj1 (voltage or threshold or reference)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:55
S16 2	1138	((sampl\$4 or bit) with ((compar\$4 or exceed or above or below) near3 (threshold or voltage or reference))) and ((select\$4 or choos\$4 or generat\$4) near3 (first adj1 (voltage or threshold or reference)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 03:56
S16 3	78	((sampl\$4 or bit) with ((compar\$4 or exceed or above or below) near3 (threshold or voltage or reference))) and ((select\$4 or choos\$4 or generat\$4) near3 (first adj1 (voltage or threshold or reference))) and ((threshold or voltage or reference) with (multi-level or multilevel))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 04:03

## EAST Search History

S16 4	93	((sampl\$4 or bit) with ((compar\$4 or exceed or above or below) near3 (threshold or voltage or reference)) and ((select\$4 or choos\$4 or generat\$4) near3 (first adj1 (voltage or threshold or reference)) with ((control or select\$4) adj1 signal))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 04:04
S16 5	88	S164 not S163	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/06/25 04:04
S16 6	12237	(((compar\$4 near3 (sampl\$4 or bits or data or signal or symbols)) near3 (threshold or limit or value or level)) same (select\$4 or choos\$4)) and ((select\$4 or choos\$4) near3 (sample or bits or signal or symbols))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:09
S16 7	197	S166 and ((error near3 sampl\$4) same ((threshold or limit or value or level) near4 error))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:09
S16 8	156	(375/229-236.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:11
S16 9	15	(375/330.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:11
S17 0	0	(375/318.ccls.) and (((select\$4 or choos\$4) near3 sampl\$4) same (threshold or limit or value))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/02/04 11:12